

AMENDMENT TO THE CLAIMS

1-5. (Canceled)

6.(Currently Amended) A method of cleaning a plurality of impactor components having impaction surfaces which are enclosed, including providing a manifold for injecting liquid into an enclosure, including the impaction surfaces, washing the impaction surfaces with injected liquid, draining the liquid after washing, and providing a drying fluid to the enclosure for a plurality of such impaction surfaces simultaneously while held in a common carrier.

7.(Currently Amended) The method of claim 6, wherein the impaction surfaces are part of a cup shaped component, and sealing the cup shaped ~~device-component~~ relative to a manifold carrying ducts for introducing liquid, providing a drain, and introducing drying fluid.

8.(Original) The method of claim 6, including providing a manifold having passageways for liquid and gas leading to each of the impaction surfaces.

9-14. (Canceled)

15.(Previously Presented) The apparatus of claim 23 wherein the cup impactor devices hold particles on impaction surfaces of the cup impactor devices, after the particles have been classified as to size in an impactor, further comprising a support having a plurality of receptacles for receiving the tray and cup impactor devices carrying the particles, said support being mounted for movement, and an overlying cover on the support over the tray and cup impactor devices, the cover including openings for introducing a solvent to immerse each of the impaction surfaces.

16.(Previously Presented) The apparatus of claim 15, wherein said cup impactor devices comprise individual impactor cups, and wherein said support holds individual impactor cups having

the impact surfaces on the interior thereof, and a clamp to clamp the cover against the cups in position in receptacles of the support.

17.(Currently Amended) The apparatus of claim 16, wherein ~~each of the cups has a flange around the periphery thereof~~ the tray openings permitting a majority of the respective cup to pass through the associated openings and so the tray supports the respective cup on the flange of the cup, the support supporting the tray with the cups protruding into the receptacles of the support, the cover engaging the flanges of the cups and holding the cups, the tray, and the support as a unit.

18.(Original) The apparatus of claim 17 and seals around the cups engaging the flange and sealing the cups relative to the cover.

19.(Original) The apparatus of claim 18, wherein the cover has a plenum chamber open to each of the cups.

20.(Currently Amended) A sample recovery station for recovering samples from a plurality of impactor surfaces having classified particles on the surfaces, comprising a support frame having a plurality of openings, a tray for supporting a plurality of cups with portions of the cups protruding from ~~the~~ a plane of the tray, the support frame having a surface holding the tray with the cups in position in receptacles in the support frame, a manifold cover held relative to the support frame and including recesses overlying each of the cups, a vial holding bore formed in the manifold ~~tray~~ cover for each recess, and having an axis that is inclined relative to the plane of the tray in a first direction, a connecting bore adjacent an edge of ~~the each~~ recess in the manifold cover opening to ~~the a vial holding bore for the vial~~, and having an axis extending laterally of generally perpendicular to the axis of the bore, whereby rotating the support frame about a axis causes the connecting passageway bores to drain the cups into the vial holding bores.

21.(Original) The sample recovery device of claim 20, wherein said manifold cover contains passageways for introduction of liquid into the recesses.

22.(Original) The sample recovery device of claim 20, wherein said manifold cover includes passageways for permitting discharge of gases and liquids from the recesses in the manifold cover, and passageways for permitting the introduction of a gas into the recesses of the manifold cover.

23.(Currently Amended) An apparatus for handling cup shaped-impactor devices comprising a tray having openings for a plurality of cups comprising said cup impactor devices, said cups impactor devices each having a body that fits through the openings in the tray and a flange that engages surface portions of the tray around the respective openings to prevent the entire cup from passing through the respective openings, the body of the cup extending through the tray.

24.(Original) The apparatus of claim 23, wherein said tray comprises a generally flat plate with the openings therethrough, and the flanges of the cups being supported on the flat plate.

25.(Original) The apparatus of claim 23 and a cover member for forming a manifold over said tray and cups, said cover member having a passageway that extends transversely across all of the cups, and openings from the passageway to each of the cups, the passageway being adapted to be fitted to a liquid cleaning material source.

26.(Original) The apparatus of claim 25, wherein said cover has a second passageway open to each of the cups on the tray, and the second passageway being connected to a source of a gaseous fluid.

27.(Original) The apparatus of claim 23 and a cover manifold for said tray comprising a plenum chamber individually open to each of the cups, and an opening above each of the cups for introducing a coating material, said tray being adapted to be rocked about a longitudinal axis with

the coating material in place, and the plenum chamber being connected to a source of gaseous fluid for eliminating vapors from the coating material.

28-32. (Canceled)

33.(Currently Amended) The method of claim 6 wherein the impactor components comprise cups, including the steps of adding a quantity of an anti-bounce coating material into each cup to cover the impaction surfaces, and providing a flow of drying fluid over the impaction surfaces to remove vapors from solvents in the coating material.

34.(Currently Amended) The method of claim 33, including rocking the cups so the coating material flows across the impaction surfaces while drying.